



## **RAW SEQUENCE LISTING** **ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/624,201  
Source: O/PK  
Date Processed by STIC: 8/1/2003

**THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.**

**PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:**

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

**TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:**

**<http://www.uspto.gov/web/offices/pac/checker>**

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to:  
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7<sup>th</sup> Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202  
Or  
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 04/24/2003



OIKE

## RAW SEQUENCE LISTING

DATE: 08/01/2003

PATENT APPLICATION: US/10/624,201

TIME: 14:26:58

Input Set : A:\Is1711.app

Output Set: N:\CRF4\08012003\J624201.raw

3 <110> APPLICANT: Hannapel, David J.  
 4 Chen, Hao  
 5 Rosin, Faye M.  
 7 <120> TITLE OF INVENTION: POTATO TRANSCRIPTION FACTORS, METHODS OF USE THEREOF,  
 8 AND A METHOD FOR ENHANCING TUBER DEVELOPMENT  
 10 <130> FILE REFERENCE: 82162/171  
 12 <140> CURRENT APPLICATION NUMBER: US/10/624,201  
 13 <141> CURRENT FILING DATE: 2003-07-21  
 15 <150> PRIOR APPLICATION NUMBER: 60/397,423  
 16 <151> PRIOR FILING DATE: 2002-07-19  
 18 <160> NUMBER OF SEQ ID NOS: 28  
 20 <170> SOFTWARE: PatentIn Ver. 2.1

## ERRORED SEQUENCES

522 <210> SEQ ID NO: 7  
 523 <211> LENGTH: 2103  
 524 <212> TYPE: DNA  
 525 <213> ORGANISM: Solanum tuberosum  
 527 <400> SEQUENCE: 7

E--> 528 aacnaaaaa agagatcgaa ttccggcagca gtgatcatgg tccttcgtct tctaagaaca 60  
 529 ttattagtga acaattttac caacatggta gtcatgaaaa tatgttgaca acaacaacta 120  
 530 ctcatcatga tgatcatcaa ggctcgtggc atcacgataa taacagaaca ttacttggtg 180  
 531 atgatccatc tatgagatgt gttttccctt gtgaaggaaa tgaaaggcca agtcatggac 240  
 532 ttccattatc tctttgttcc tcaaatccat caagtattgg ttacaaatct tttgaactta 300  
 533 gacatcaaga ttgcaacaa ggattaatac atgatggatt tttgggtaaa tctacaaata 360  
 534 tacaacaagg gtattttcat catcatcatc aagttaggga ctcgaaatat ttaggtccgg 420  
 535 ctcaagagtt gctcagttag ttctgtagtc tcggaataaa gaagaataat gatcattctt 480  
 536 cttcaaaaagt acttctaaa caacatgaga gtactgctag tacttcaaaa aagcaacttt 540  
 537 tacagtctct tgaccttttg gaacttcaaa aaagaaagac aaaattgctt caaatgcttg 600  
 538 aagagggtga tagaaggtac aagcattatt gtgatcaaat gaaggctgtt gtatcatcat 660  
 539 ttgaagcagt ggctggaaat ggagcagcaa cagtttactc agccttagca tcaagggtta 720  
 540 tgtcaaggca ttttagatgt ttaagagatg gaattgtggc acaaattaag gccacaaaaa 780  
 541 tggctatggg agaaaaagac agtactagta ctcttattcc tggttcaaca agaggtgaaa 840  
 542 caccaagact cagacttctt gatcaaaact taaggcaaca aaaggctttc caacagatga 900  
 543 atatgatgga gactcatcca tggagaccgc aacgtggtct cccagaaaga tcagtctccg 960  
 544 ttctccgcgc ttggctcttt gaacactttc ttcacccgta cccaagtgat gttgataaac 1020  
 545 acatttttagc tcgccaact ggtctttcaa gaagccaggt gtctaattgg ttcattaatg 1080  
 546 caagggttaag gctatggaag ccaatggtgg aagaaatgta cttagaagaa acaaaagaag 1140  
 547 aagaaaatgt tggatctcca gatggatcaa aagccctaatt tgatgacatg acaattcatc 1200  
 548 aatcacacat tgatcatcat caagctgatc aaaagccaaa tcttgtaaga attgactctg 1260  
 549 aatgcatatc ttccatcata aatcatcaac ctcatgagaa aatgatcaa aactatggag 1320

Does Not Comply  
 Corrected Diskette Needed

see  
 error  
 explanation  
 on p. 4

## RAW SEQUENCE LISTING

DATE: 08/01/2003

PATENT APPLICATION: US/10/624,201

TIME: 14:26:58

Input Set : A:\Is1711.app

Output Set: N:\CRF4\08012003\J624201.raw

550 taattagagg tggagatcaa tcgtttggcg cgattgagct agattttttca acaaattattg 1380  
 551 cttatggtac tagtggtggt gaccatcatc atcatggagg ggggtgtttct ttaacattgg 1440  
 552 gattacaaca acatggtgga agtggtggat catcaatggg gttaactaca ttttcatcac 1500  
 553 aaccatctca taatcaaagt tcactttttt atccaagaga tgatgatcaa gttcaatatt 1560  
 554 catcactttt ggatagttaa aatcagaatt tgccatatag aaaccttgat gggggcacaa 1620  
 555 cttcttcatg atttggtctg ttaaaaaatg acagagattc ttcatttttg accttattat 1680  
 556 atactctaatt ttaatatat attggtgatg aatgatgata aaaaaaaaaa aaaaaaaaaa 1740  
 E--> 557 aaaaaaaaaa aaaaaaaaaa acctcgancc cggtcgactn tanancccta tagtgagtcg 1800  
 E--> 558 tnttctgca nanaatctnng aatcgtaaat nctgaaaaac cccgcaagtt cacttcaact 1860  
 E--> 559 gngcatcng nccatctca atttctttca tttatncatc gttttgcctt nttttatgta 1920  
 E--> 560 actatntcc tntaagtttc aatcttggcc atgtaacctn tgatctntaa aattttttta 1980  
 E--> 561 atgactanaa ttaatgccca tttttttttt ggacctaaat ttttcatgaa aatnttttc 2040  
 E--> 562 nagggttnt tcaaaanctt tggactnttt nccanaggt ttggtcaagt ntccaatcaa 2100  
 563 ggt 2103

849 &lt;210&gt; SEQ ID NO: 11

850 &lt;211&gt; LENGTH: 2128

851 &lt;212&gt; TYPE: DNA

852 &lt;213&gt; ORGANISM: Solanum tuberosum

854 &lt;400&gt; SEQUENCE: 11

855 caagggcttt cacttagcct gtcctcgtcc cagcagccgg ggtttgggaa cttcacggcg 60  
 856 gcgcgtgagc ttgtttcttc gccttcgggt tcggcttcag cttcagggat acaacaacaa 120  
 857 caacagcaac aacagagtat tagtagtgt cctttgagtt ctaagtacat gaaggctgca 180  
 858 caagagctac ttgatgaagt tgtaaatggt ggaaaatcaa tgaaaagtac taatagtact 240  
 859 gatgttggtt ttaataatga tgtcaagaaa gctccaacaa ctgagctaag tacaggggag 300  
 860 ttagacggag ttggagcaga caaagacgga gctccaacaa ctgagctaag tacaggggag 360  
 861 agacaagaaa ttcaaatgaa gaaagcaaaa cttgttaaca tgcttgacga ggtggagcag 420  
 862 aggtatagac attatcatca ccaaatgcag tcagtgtatc attggttaga gcaagctgct 480  
 863 ggcattggat cagcaaaaac atatacagca ttggctttgc agacgatttc gaagcaattt 540  
 864 aggtgtctta aggacgcgat aattggtcaa atacgatcag caagccagac gttaggcgaa 600  
 865 gaagatagtt tgggagggaa gattgaaggt tcaaggctta aatttgttga taatcagcta 660  
 866 agacagcaaa gggctttgca acaattggga atgatccagc ataatgcttg gagacctcag 720  
 867 agaggattgc ccgaacgagc tgtttctggt cttcgcgctt ggctttttga acatttcctc 780  
 868 catccttatc ccaaggattc agacaaaatg atgctagcaa acaaaacagg actaactagg 840  
 869 agtcagggtg cgaattggtt catcaatgct cgagttcgtc tttggaagcc aatggtggaa 900  
 870 gagatgtact tgggaagagat aaaagaacac gaacagaatg ggttgggtca agaaaagacg 960  
 871 agcaaattag gtgaacagaa cgaagattca acaacatcaa gatccattgc tacacaagac 1020  
 872 aaaagccctg gttcagatag ccaaaacaag agttttgtct caaaacagga caatcatttg 1080  
 873 cctcaacaca accctgcttc accaatgccc gatgtccaac gccacttcca taccctatc 1140  
 874 ggtatgacca tccgtaatca gctgctggtt ttcaacctca ttggatcacc agagatcgaa 1200  
 875 agcatcaaca ttactcaagg gagtccaaag aaaccgagga acaacgagat gttgcattca 1260  
 876 ccaaacagca ttccatccat caacatggat gttaaagccta acgaggaaca aatgtcgatg 1320  
 877 aagtttggtg atgataggca ggacagagat ggattctcac taatgggagg accgatgaac 1380  
 878 ttcatgggag gattcggagc ctatcccatt ggagaaattg ctcggtttag caccgagcaa 1440  
 879 ttctcagcac catactcaac cagtggcaca gtttactca ctcttggcct accacataac 1500  
 880 gaaaacctct caatgtctgc aacacaccac agtttccttc caattccaac acaaaacatc 1560  
 881 caaattggaa gtgaaccaa tcatgagttt ggtagcttaa acacaccaac atcagctcac 1620  
 882 tcaacatcaa gcgtctatga aaccttcaac attcagaaca gaaagaggtt cgccgcaccc 1680  
 883 ttgttaccag attttgttgc ctgatcacia aaacaaaaaac aggttttggc aacagacaaa 1740  
 884 cttctgtcgc taaacaagga catgatttag cgacagataa cttcagtcgc taacttagcg 1800

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/624,201

DATE: 08/01/2003

TIME: 14:26:58

Input Set : A:\Is1711.app

Output Set: N:\CRF4\08012003\J624201.raw

885 actgaaaact tctgtcgcta agcatgaaca tgtattagcg acatacagta tgcaactgta 1860  
886 tgtcactaaa caagaacatg atgaattagt gacggacaac ttctgtcgct aaacaacaaa 1920  
887 aaaaaatcca tgtttttagta tattgtttct cattctatca tatcatggta gtgtaaagaa 1980  
888 tcaagaaaca agttttacat agtaacagtc ttatacatt ggagatgaag aaccatttaa 2040  
E--> 889 gtttttcaaa atagatagat tttctagggt acttctanaa gatatatata tggttgaggg 2100  
890 tttgtatatt aaaaaaaaaa aaaaaaaaaa 2128

p. 4

## VARIABLE LOCATION SUMMARY

DATE: 08/01/2003

PATENT APPLICATION: US/10/624,201

TIME: 14:26:59

error explanation

Input Set : A:\Is1711.app

Output Set: N:\CRF4\08012003\J624201.raw

Use of n's or Xaa's (NEW RULES):

Use of n's and/or Xaa's have been detected in the Sequence Listing.

Use of &lt;220&gt; to &lt;223&gt; is MANDATORY if n's or Xaa's are present.

in &lt;220&gt; to &lt;223&gt; section, please explain location of n or Xaa, and which residue n or Xaa represents.

Seq#:7; N Pos. 5,1768,1780,1783,1785,1794,1802,1805,1811,1813,1818,1831

Seq#:7; N Pos. 1862,1869,1872,1896,1911,1926,1932,1960,1967,1988,2002,2022

Seq#:7; N Pos. 2034,2036,2039,2041,2049,2057,2068,2072,2076,2091

Seq#:11; N Pos. 2078

**VERIFICATION SUMMARY**

DATE: 08/01/2003

PATENT APPLICATION: US/10/624,201

TIME: 14:26:59

Input Set : A:\Is1711.app

Output Set: N:\CRF4\08012003\J624201.raw

L:12 M:270 C: Current Application Number differs, Replaced Application Number

L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:528 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:7

M:340 Repeated in SeqNo=7

L:889 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:11